

NOV 07 2007

Application No. 10/520,244

Reply to Office Action

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

Claims 1 - 19 (Cancelled)

20. (Currently Amended) A horizontal metal cutting band saw for mitering an elongated workpiece comprising:

a machine frame including a support device for supporting the metal workpiece to be processed;

a main carrier;

a swivel support arranged on the main carrier above the support device, the swivel support defining a vertical swivel axis that extends through the support device;

an intermediate carrier that is connected to the main carrier by means of the swivel support and can be swiveled about the vertical axis with the aid of the swivel support; and

a saw frame including a bandsaw blade configured for cutting metal that runs in a guided fashion, the saw frame being movably supported on the intermediate carrier in such a way that the saw frame can be displaced or swiveled in a plane that extends parallel to the swivel axis.

21. (Withdrawn) The metal cutting band saw according to claim 20, wherein the main carrier is arranged lateral to the support device.

22. (Withdrawn) The metal cutting band saw according to claim 20, wherein the machine frame has the form of a gantry and comprises at least two lateral uprights and a crossbeam that connects the lateral uprights to one another and the swivel support is mounted on the crossbeam.

Application No. 10/520,244

Reply to Office Action

23. (Withdrawn) The metal cutting band saw according to claim 22, wherein the two lateral uprights are separated by such a distance that the saw frame is able to pass between the uprights.

24. (Withdrawn) The metal cutting band saw according to claim 20, wherein the main carrier has a gallows like configuration with a lateral upright that is located adjacent to the support device and a projecting beam mounted on said upright and the swivel support is arranged on the projecting beam.

25. (Withdrawn) The metal cutting band saw according to claim 24, wherein the upright is offset relative to the vertical swivel axis in such a way that the intermediate carrier can be moved into opposing miter positions.

26. (Withdrawn) The metal cutting band saw according to claim 22, wherein the uprights are connected to the machine frame.

27. (Withdrawn) The metal cutting band saw according to claim 24, wherein the upright is connected to the machine frame.

28. (Withdrawn) The metal cutting band saw according to claim 20, wherein the intermediate carrier has the form of an L including a first arm connected to the swivel support and a second arm connected to the saw frame and wherein the saw frame is movable relative to the second arm.

29. (Withdrawn) The metal cutting band saw according to claim 20, wherein the intermediate carrier includes a horizontal swivel support that connects the saw frame to the intermediate carrier in such a way that the saw frame can be swiveled about a horizontal axis.

Application No. 10/520,244

Reply to Office Action

30. (Currently Amended) The metal cutting band saw according to claim 20, wherein the intermediate carrier comprises two vertical arms that are connected to one another by a crossbeam and act as a parallel guide and wherein the saw frame is guided in a height adjustable fashion on the intermediate carrier by the two vertical arms ~~a parallel guide~~.

31. (Currently Amended) The metal cutting band saw according to claim 30, wherein ~~each of the vertical arms includes that connects a linear guide is provided on each of the two vertical arms with the linear guides connecting~~ the saw frame to the intermediate carrier in such a way that the saw frame can be adjusted in the direction of the workpiece along a linear axis.

32. (Withdrawn) The metal cutting band saw according to claim 20, wherein the support device comprises a support table including a table top that is detachably connected to the machine frame.

33. (Withdrawn) The metal cutting band saw according to claim 32, wherein the table top is a replaceable part.

34. (Withdrawn) The metal cutting band saw according to claim 32, wherein the support device comprises rollers and the outer circumferential surfaces of the rollers contact a plane that also includes the table top.

35. (Withdrawn) The metal cutting band saw according to claim 20, wherein the support device comprises a vise including stationary and adjustable jaws.

36. (Withdrawn) The metal cutting band saw according to claim 35, wherein the stationary jaw defines a contact surface and the contact surface defines the contact plane that includes the vertical swivel axis.

Application No. 10/520,244

Reply to Office Action

37. (Previously Presented) The metal cutting band saw according to claim 20, wherein driving devices are assigned to the swivel support.

38. (Previously Presented) The metal cutting band saw according to claim 20, wherein the saw frame includes two rollers that are supported axially parallel to one another and around which runs the bandsaw blade and wherein the bandsaw blade runs with reference to a plane that lies parallel to the axis of the rollers in a region between the rollers.

39. (Withdrawn) A horizontal metal cutting band saw for mitering an elongated workpiece comprising:

a machine frame including a support device for the workpiece to be processed;

a main carrier;

an intermediate carrier that is movably supported on the main carrier in such a way that the intermediate carrier can be vertically displaced in the direction of the support device;

a swivel support arranged on the intermediate carrier above the support device and defining a vertical swivel axis that extends through the support device; and

a saw frame including a bandsaw blade that runs in a guided fashion, the saw frame is connected to the intermediate carrier by means of the swivel support and the saw frame can be swiveled about the vertical axis with the aid of the swivel support.

40. (Withdrawn) The metal cutting band saw according to claim 39, wherein the main carrier is arranged lateral to the support device.

41. (Withdrawn) The metal cutting band saw according to claim 39, wherein the machine frame has the form of a gantry and comprises at least two lateral uprights and a

Application No. 10/520,244

Reply to Office Action

crossbeam that connects the lateral uprights to one another and the swivel support is mounted on the crossbeam.

42. (Withdrawn) The metal cutting band saw according to claim 41, wherein the two lateral uprights are separated by such a distance that the saw frame is able to pass between the uprights.

43. (Withdrawn) The metal cutting band saw according to claim 39, wherein the main carrier has a gallows like configuration with a lateral upright that is located adjacent to the support device and a projecting beam mounted on said upright and the swivel support is arranged on the projecting beam.

44. (Withdrawn) The metal cutting band saw according to claim 43, wherein the upright is offset relative to the vertical swivel axis in such a way that the intermediate carrier can be moved into opposing miter positions.

45. (Withdrawn) The metal cutting band saw according to claim 41, wherein the uprights are connected to the machine frame.

46. (Withdrawn) The metal cutting band saw according to claim 43, wherein the upright is connected to the machine frame.

47. (Withdrawn) The metal cutting band saw according to claim 39, wherein the intermediate carrier has the form of an L including a first arm connected to the swivel support and a second arm connected to the saw frame and wherein the saw frame is movable relative to the second arm.

Application No. 10/520,244

Reply to Office Action

48. (Withdrawn) The metal cutting band saw according to claim 39, wherein the intermediate carrier comprises two vertical arms that are connected to one another by a crossbeam and wherein the saw frame is guided in a height adjustable fashion on the intermediate carrier by a parallel guide.

49. (Withdrawn) The metal cutting band saw according to claim 48, wherein a linear guide is provided on each of the two vertical arms with the linear guides connecting the saw frame to the intermediate carrier in such a way that the saw frame can be adjusted in the direction of the workpiece along a linear axis.

50. (Withdrawn) The metal cutting band saw according to claim 39, wherein the support device comprises a support table including a table top that is detachably connected to the machine frame.

51. (Withdrawn) The metal cutting band saw according to claim 50, wherein the table top is a replaceable part.

52. (Withdrawn) The metal cutting band saw according to claim 51, wherein the support device comprises rollers and the outer circumferential surfaces of the rollers contact a plane that also includes the table top.

53. (Withdrawn) The metal cutting band saw according to claim 39, wherein the support device comprises a vise including stationary and adjustable jaws.

54. (Withdrawn) The metal cutting band saw according to claim 53, wherein the stationary jaw defines a contact surface and the contact surface defines the contact plane that includes the vertical swivel axis.

Application No. 10/520,244

Reply to Office Action

55. (Withdrawn) The metal cutting band saw according to claim 39, wherein driving devices are assigned to the swivel support.

56. (Withdrawn) The metal cutting band saw according to claim 39, wherein the saw frame includes two rollers that are supported axially parallel to one another and around which runs the bandsaw blade and wherein the bandsaw blade runs with reference to a plane that lies parallel to the axis of the rollers in a region between the rollers.